

#12/C PB

7/15/01

MIT.8607L
RECEIVED
CENTRAL FAX CENTER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Walpole et al.
SERIAL NO: 09/903,099
FILED: July 11, 2001
FOR: SLAB-COUPLED OPTICAL WAVEGUIDE LASER AND AMPLIFIER

GROUP: 2874
EXAMINER: E. P. Cherry

JUN 14 2004

OFFICIAL

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

AMENDMENT

In response to the Office Action mailed November 5, 2002 and further in response to the Office Communication mailed April 30, 2003, please amend the above-identified application as follows:

IN THE CLAIMS:

Please add claims 56-96 as follows:

- 1 56. A laser and optical amplifier device comprising:
- 2 a waveguide having a first heightened region in a first layer, the first heightened region
- 3 forming a channel along a longitudinal axis within which a lowest order spatial mode in both
- 4 lateral and transverse directions is supported;
- 5 an active region, near the first heightened region of the waveguide, is pumped to
- 6 provide gain for said lowest order spatial mode in said waveguide; and

Ch